

6th Math 1.5d

Name: _____

Class: _____

Date: _____

1. There are 78 cows and 89 sheep.

What is the ratio of cows to sheep?

- A. 89 to 78
- B. 79 to 88
- C. 78 to 89
- D. 60 to 78

2. There are 47 dimes and 55 nickels.

What is the ratio of nickels to dimes?

- A. 57 to 45
- B. 47 to 55
- C. 45 to 57
- D. 55 to 47

3. The team manager just opened a shipment of uniforms. There are 14 winter uniforms and 17 summer uniforms.

What is the ratio of winter uniforms to summer uniforms?

- A. 17:14
- B. 31:14
- C. 17:31
- D. 14:17

4. $\frac{28}{10} = \frac{14}{x}$, then x is ____?

- A. 140
- B. 5
- C. 10
- D. 28

5. To get a certain shade of orange, Raul needs to mix red paint with yellow paint in the ratio of 5:2.
Which of the following equations shows how many quarts of red paint Raul needs to mix with 4 quarts yellow paint?
- A. $5/2 = x/4$
 - B. $5/2 = 4/x$
 - C. $5/8 = x$
 - D. $8/5 = x$
6. In a hockey game, Wayne scored 15% of the team's goals.
If Wayne scored 5 goals, which equation could be used to find out the number of points scored by the whole team?
- A. $x/15 = 5/100$
 - B. $15/100 = x/5$
 - C. $15/x = 5/100$
 - D. $15/100 = 5/x$
7. Round your answer to the nearest hundredth when necessary.
To get a certain shade of purple, Ginnie needs to mix red paint with blue paint in the ratio of 6:7.
How many quarts of red paint does Ginnie need to mix with 11 quarts blue paint?
- A. 12.83 quarts
 - B. 462 quarts
 - C. 9.43 quarts
 - D. 0.08 quarts
8. Round your answer to the nearest whole number when necessary.
In a basketball game, Debbie scored 28% of the team's points.
If Debbie scored 24 points, how many points did the team score as a whole?
- A. 86 points
 - B. 672 points
 - C. 72 points
 - D. 76 points
9. Round your answer to the nearest hundredth when necessary.
To get a certain shade of pink, Claude needs to mix red paint with white paint in the ratio of 8:3.
How many quarts of white does Claude need to mix with 15 quarts of red paint?
- A. 40 quarts
 - B. 5.63 quarts
 - C. 2.67 quarts
 - D. 40.05 quarts

10. Round your answer to the nearest whole number when necessary.
- In a basketball game, Irving scored 80% of the team's points.
- If the team as a whole scored 120 points, how many points did Irving score?
- A. 150 points
 - B. 66 points
 - C. 40 points
 - D. 96 points